

五、論文著述：

Journal Papers

- [36] C. H. Chang, T. H. Tan, H. H. Lu, W. Y. Lin, and **S. J. Tzeng**, “Repeaterless Hybrid CATV/16-QAM Transport Systems”, *Progress In Electromagnetics Research Letters (PIER L)*, vol. 8, pp. 171-179, 2009. (SCI, Impact [Factor = 4.735@2008](#), Telecommunications: 1/67)
- [35] **S. J. Tzeng**, H. H. Lu, C. Y. Li, K. H. Chang, and C. H. Lee, “CSO/CTB Performance Improvement by Using Fabry-Perot Etalon at the Receiving Site”, *Progress In Electromagnetics Research Letters (PIER Letters)*, vol. 6, pp. 107-113, 2009. (SCI, Impact [Factor = 4.735@2008](#), Telecommunications: 1/67)
- [34] H. W. Chen, H. H. Lu, **S. J. Tzeng**, H. C. Peng, and C. Y. Li, “Analysis on DFB Laser Diode with Main and Multiple Side Modes Injection-Locked”, *Laser Physics*, vol. 19, no. 6, pp. 1234-1238, 2009. (SCI).
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- [32] W. I. Lin, H. H. Lu, **S. J. Tzeng**, K. H. Chang, and Y. C. Hsiao, “Employing Mutually Injection-Locked FP LDs Scheme over Full-Duplex Radio-on-Fiber Transport Systems”, *Optics Communications*, vol. 282, pp. 550-553, 2009. (SCI)
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- [30] H. H. Lu, A. S. Patra, **S. J. Tzeng**, W. J. Ho, and H. Yee, “Radio-on-Hybrid WDM Transport Systems Based on Mutually Injection-Locked Fabry-Perot Laser Diodes”, *Optical Fiber Technology*, vol. 15, pp. 21-25, 2009. (SCI)
- [29] H. H. Lu, **S. J. Tzeng**, W. I. Lin, A. S. Patra, and T. L. Huang, “Employing Split-Band and Only One Sideband Techniques to Improve Fiber Optical CATV System Performances”, *Journal of*

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計畫名稱 (本會補助者請註明編號)	計畫內擔任之工作	起迄年月	補助或委託機構	執行情形	經費總額
利用外部光源注入技術與反射式半導體光放大器來建構出雙向外調與直調有線電視傳輸系統 (NSC 98-2622-E-027-011-CC3)	計畫主持人	98年07月至 99年06月	國科會	執行中	891,000

新世代之光纖/微波傳輸系統 (教育部重點特色計畫第三年)	計畫主持人	98年4月 至 98年12月	教育部	已結案	8,000,000
新世代之光纖/微波傳輸系統 (教育部重點特色計畫第二年)	計畫主持人	97年5月 至 97年12月	教育部	已結案	10,000,000
智慧型光纖網路 監控系統	計畫主持人	96年12月 至 97年8月	教育部	已結案	1,029,000
建構光纖微波 (PHS/VICS/ETC/SB)高密度分 波多工傳輸系統 (NSC 96-2221-E-027-049-)	計畫主持人	96年8月 至 97年7月	國科會	已結案	1,019,000
新世代之光纖/微波傳輸系統 (教育部重點特色計畫第一年)	計畫主持人	96年8月 至 96年12月	教育部	已結案	6,000,000
新世代之光纖/微波傳輸系統 (台北科技大學重點特色計畫 第二年)	計畫主持人	96年1月 至 96年12月	台北科技大學	已結案	3,100,000
新世代之光纖/微波傳輸系統 (台北科技大學重點特色計畫 第一年)	計畫主持人	95年9月 至 95年12月	台北科技大學	已結案	4,000,000

利用光學單旁波帶濾波器來 增進高密度分波多工系統 (NSC94-2215-E-027-003-)	計畫主持人	94年8月 至 95年7月	國科會	已結案	382,000
寬頻 ASE 光源所建構之混合 式高密度分波多工系統 (NSC93-2215-E-027-011-)	計畫主持人	93年08月 至 94年07月	國科會	已結案	579,800
有線電視頭端機房之自動換 頻系統 (提升產業技術及人 才培育研究計畫) (NSC93-2622-E-027-035-CC3)	計畫主持人	93年11月 至 94年10月	國科會	已結案	320,400